

INSTALLATION ENGINEERING

15 Jan 64

I. INSTRUMENT

STATOTHR

A. Name Digital Coordinatograph
 B. Manufacturer [REDACTED]
 C. Contract Number [REDACTED] *Delivery June 64*

II. PHYSICAL FEATURES

A. Number of Component Parts 4 major parts
 * B. Dimensions of the ~~largest~~ ^{heaviest} Component Part:
 Length 7 Ft. 5 In. Height 0 Ft. 7 In.
 Width 5 Ft. 9 1/8 In.
 C. Weight of Largest Component Part 3000
 D. Total Weight of Instrument 5500
 E. Overall Dimensions Assembled:
 Length 9 Ft. 11 1/2 In. Height 3 Ft. 5 5/8 In.
 Width 8 Ft. 7 1/2 In.
 F. Type of Base of Mount: Five
 Flat Three Point Suspension ~~Four~~ Point Suspension x
 G. Does Instrument have built-in mobility? No
 H. Is the instrument particularly sensitive to vibration? No
 I. Are any special or unusual tools or fixtures necessary or advisable for the installation or maintenance of this equipment? No

III. UTILITIES

A. Electrical:
 Voltage 208 Volts + Volts AC DC
 Current 62 1/2 Amps DC
 Frequency 60 cps
 Nr. of phases 3
 Nr. of wires 4
 Power required by equipment 22 1/2 Watts KVA 0 Watts
 Type of outlet required: Two Prong, Three Prong
 Twist Lock , Permanent Installation x

Should the equipment be shielded, either from external electromagnetic signals, or to prevent interference with other equipment?
RFI fitters in power lines. At intervals circuits carrying up to 150 amperes DC at 75 volts will be opened by conventional DC contactors. At the same time an AC connector will interrupt a 15 KVA, 208, 3 phase load.

* Dimension of Largest Component part:

Length 7' 5" Height 1'-9 13/16"
 Width 5'-11 5/8"
 Weight 900

DECLASSIFICATION REVIEW BY NIMA / DoD

XERO COPY

XERO COPY

XERO COPY

XERO COPY

B1. Air conditioning for room. Room temperature 70°F Humidity 50%

B. Air Conditioning: for instrument

Room temperature _____ Humidity 10%
 Output of Instrument 30,000 BTU/Hr. not liberated to room
 If air must be filtered, what is maximum permissible particle size
 in microns? 3 What particle count? Zero Magnetic
 particles per cubic foot.
 Direct connection to instrument? Yes x No _____
 If yes to above, what is the desired air temperature to instrument?
42°F (650 cfm/minute - 750 fpm - 400 to control rack)
 Should discharged air be ducted separately? Yes _____
 Is discharged air noxious? No toxic? No
 Connector size to instrument Equivalent to five 3" diam hoses

C. Plumbing:

Is water required for the instrument? Yes _____ No x
 Water pressure _____ Flow in GPM _____
 Type of water desired:
 Tap _____ OF + _____ OF
 Tempered _____ OF + _____ OF
 Deionized _____ OF + _____ OF
 Filtered _____ OF + _____ OF Particle size and count per
 unit volume.
 Type of pipe required:
 Galvanized _____ Copper _____
 Stainless Steel _____ Plastic _____
 Is floor drain required? Yes _____ No _____
 Diameter of drain _____ Galvanized drain _____
 Plastic drain _____ Glass drain _____

D. Compressed Air: None

Diameter of connectors _____ Type of connectors _____
 PSI _____ Water free? _____
 CFM _____ Oil free? _____

E. Vacuum:

Is vacuum required? Yes x No _____
 Vacuum required 1 1/2 PSIA or _____ (inches) (milli-
 meters) of Hg
 Displacement 80 CFM _____

IV. REMARKS

In the event additional space is required for environmental conditions
 or utilities not mentioned above, use the reverse side of this form.

Booster Installation